



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 21st Mar 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 20.03.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-Mar-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 20th Mar 2018, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting 21-Mar-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41895	45875	43354	19483	2410	153017
Peak Shortage (MW)	836	23	50	0	55	963
Energy Met (MU)	920	1103	989	396	42	3450
Hydro Gen(MU)	101	24	63	33	8	229
Wind Gen(MU)	20	44	18	-----	-----	82
Solar Gen (MU)*	9.36	18.78	54.80	0.90	0.02	84
Energy Shortage (MU)	10.5	0.0	0.0	0.0	0.5	11.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43749	49313	44502	20101	2392	156540

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.034	0.00	0.00	7.79	7.79	83.50	8.72

C. Power Supply Position in States

Region/Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	5754	0	122.5	27.3	-0.7	93	0.0
	Haryana	6456	104	130.4	48.9	1.6	212	0.0
	Rajasthan	9327	0	182.9	41.4	1.3	452	0.0
	Delhi	3506	0	69.7	57.5	0.5	186	0.0
	UP	15223	335	306.0	110.9	0.1	774	0.0
	Uttarakhand	1834	0	35.2	28.3	0.0	85	0.0
	HP	1452	0	26.5	21.4	0.3	132	0.0
	J&K	2094	524	44.0	40.1	-1.4	55	10.4
WR	Chandigarh	174	0	3.2	3.2	0.0	23	0.0
	Chhattisgarh	3775	0	85.9	17.4	-2.1	-8	0.0
	Gujarat	14889	0	326.2	167.2	4.6	398	0.0
	MP	8710	0	177.6	86.6	-2.5	349	0.0
	Maharashtra	21572	0	463.4	129.7	0.5	429	0.0
	Goa	484	0	11.0	9.8	0.5	59	0.0
	DD	335	0	7.5	6.9	0.6	92	0.0
	DNH	770	0	17.9	16.9	1.0	77	0.0
SR	Essar steel	640	0	13.5	13.8	-0.3	142	0.0
	Andhra Pradesh	8232	0	172.5	48.1	1.5	367	0.0
	Telangana	9805	0	218.7	103.0	1.8	331	0.0
	Karnataka	9460	0	200.5	76.0	-0.5	383	0.0
	Kerala	3745	0	74.9	51.9	1.8	252	0.0
	Tamil Nadu	14595	0	314.6	153.1	1.2	328	0.0
ER	Pondy	348	0	7.5	7.8	-0.3	38	0.0
	Bihar	4293	0	76.2	71.6	-1.5	60	0.0
	DVC	2875	0	65.3	-54.6	2.4	400	0.0
	Jharkhand	1116	0	22.9	12.9	-0.1	160	0.0
	Odisha	4283	0	83.9	37.0	2.6	500	0.0
	West Bengal	8060	0	146.3	38.8	4.1	500	0.0
NER	Sikkim	101	0	1.4	1.3	0.1	20	0.0
	Arunachal Pradesh	117	2	2.2	1.8	0.3	31	0.0
	Assam	1429	27	23.7	18.5	0.7	94	0.4
	Manipur	175	2	2.4	2.4	0.0	20	0.0
	Meghalaya	319	0	5.8	3.6	0.1	35	0.0
	Mizoram	87	1	1.5	1.2	0.2	31	0.0
NER	Nagaland	116	4	2.1	1.9	0.0	17	0.0
	Tripura	242	0	4.0	3.3	0.4	32	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-10.3	-15.0
Day peak (MW)	177.8	-485.8	-648.0

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	137.5	-155.5	91.4	-77.0	3.6	0.1
Actual(MU)	127.8	-162.2	94.6	-66.1	4.4	-1.5
O/D/U/D(MU)	-9.8	-6.7	3.2	11.0	0.8	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5260	13821	6402	1580	220	27283
State Sector	7765	17912	2810	5025	50	33562
Total	13025	31733	9212	6605	269	60845

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	593	1103	661	450	9	2816
Hydro	101	24	63	33	8	229
Nuclear	28	24	46	0	0	98
Gas, Naptha & Diesel	27	54	20	0	24	126
RES (Wind, Solar, Biomass & Others)	57	63	117	2	0	238
Total	806	1268	907	484	41	3507

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 21-Mar-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	304	0.0	3.9	-3.9
2		SASARAM-FATEHPUR	S/C	0	83	1.5	0.0	1.5
3		GAYA-BALIA	S/C	0	378	0.0	6.9	-6.9
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	11.9	-11.9
5		PUSAULI B/B	S/C	0	198	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	170	0.0	1.3	-1.3
7		PUSAULI -ALLAHABAD	S/C	0	65	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	180	0.0	1.3	-1.3
9		PATNA-BALIA	Q/C	0	585	0.0	11.5	-11.5
10		BIHARSHARIFF-BALIA	D/C	0	124	0.0	3.1	-3.1
11		MOTHARI-GORAKHPUR	D/C	0	253	0.0	4.3	-4.3
12		BIHARSHARIFF-VARANASI	D/C	0	387	0.8	0.0	0.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	171	0.0	3.4	-3.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						3.8	47.5	-43.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	12.7	0.0	12.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	224	0.7	0.0	0.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	4.6	0.0	4.6
21		RANCHI-SIPAT	D/C	0	39	1.1	0.0	1.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	151	0.0	1.8	-1.8
23		BUDHIPADAR-KORBA	D/C	0	0	3.9	0.0	3.9
ER-WR						23.1	1.8	21.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	26.7	-26.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	317.1	0.0	14.3	-14.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1986.6	0.0	43.0	-43.0
27	400 kV	TALCHER-I/C	D/C	0.0	488.3	1.8	6.9	-5.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	84.0	-84.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1051	0.0	5.1	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	907	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.3	-1
ER-NER						3.9	6.4	-2.5
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0
NER-NR						0.0	0.0	0.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	10	1173	0.0	47.5	-47.5
34		V'CHAL B/B	D/C	50	250	0.3	2.3	-2.0
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	2494	0.0	50.3	-50.3
37		PHAGI-GWALIOR	D/C	483	1218	0.0	19.0	-19.0
38	400 kV	ZERDA-KANKROLI	S/C	467	0	8.7	0.0	8.7
39		ZERDA -BHINMAL	S/C	465	0	7.6	0.0	7.6
40		V'CHAL -RIHAND	S/C	966	0	22.4	0.0	22.4
41		RAPP-SHUJALPUR	D/C	10	346	0	1	-1
42	220 kV	BADOD-KOTA	S/C	88	0	1.0	0.0	1.0
43		BADOD-MORAK	S/C	57	35	0.3	0.2	0.1
44		MEHGAON-AURAIYA	S/C	72	0	1.2	0.0	1.2
45		MALANPUR-AURAIYA	S/C	40	3	0.4	0.0	0.4
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.0	127.9	-85.9
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	340	764	0.0	7.5	-7.5
50		WARDHA-NIZAMABAD	D/C	0	1862	0.0	33.7	-33.7
51	400 kV	KOLHAPUR-KUDGI	D/C	462	0	6.4	0.4	6.1
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	104	0	1.9	0.0	1.9
WR-SR						8.3	65.4	-57.1
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.3
56		NEPAL						-10.3
57		BANGLADESH						-15.0